

REMARKS

This Amendment and Response is filed in reply to the final Office action dated September 19, 2007, and is submitted within two months of the mailing date of the final Office action. Accordingly, at a minimum, an Advisory Action is requested. Claims 1-2, 6, 11 and 17 are amended and no claims are canceled. Accordingly, after entry of this Amendment and Response, claims 1-19 remain pending.

I. Claim Rejections Under 35 U.S.C. § 102

Claims 1-19 are rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,148,396 to Chrysos et al. (hereinafter "Chrysos"). An anticipation rejection requires that each and every limitation of a claim be disclosed in a single prior art reference. Initially, the rejections of independent claims 1, 6, 11 and 17 are addressed.

Independent claims 1 and 17, as amended, require "storing information relating to execution events in a history queue having a plurality of entries and storing a plurality of program counter values corresponding to a plurality of control transfer events." Independent claims 6 and 11 recite similar limitations. That is, the independent claims require storing a plurality of program counter values corresponding to a plurality of control transfer events in the history queue. It is respectfully submitted that Chrysos does not disclose such a limitation.

Chrysos discloses a memory for storing profile information for the instruction selected for sampling. The memory includes a profile PC register that stores the program counter value of the selected instruction. See *Chrysos, column 11, lines 30-54 and Figure 3*. The memory of Chrysos stores at most one program counter value for a control transfer event when the selected instruction corresponds to a control transfer instruction. The memory does not store program counter values for multiple control transfer events. Thus, Chrysos fails to disclose storing information relating to execution events in a history queue having a plurality of entries and storing a plurality of program counter values corresponding to a plurality of control transfer events as required by the independent claims 1, 6, 11 and 17. Accordingly, it is respectfully submitted that Chrysos is insufficient to anticipate the independent claims 1, 6, 11 and 17, and such indication is respectfully requested.

The remaining rejected claims 2-5, 7-10, 12-16 and 18/19 all depend, either directly or indirectly, from one of independent claims 1, 6, 11 and 17. Accordingly, these dependent claims are themselves patentable over Chrysos, for at least the same reasons, and such indication is respectfully requested. This statement is made without reference to or waiving the independent bases of patentability within each dependent claim.

II. Conclusion

The Applicant thanks the Examiner for his thorough review of the application. This Response is submitted within the two month time frame for receiving an advisory action. The Assignee respectfully submits the present application is in condition for allowance and respectfully requests the issuance of a Notice of Allowability as soon as practicable. At a minimum, the Assignee requests withdrawal of the final rejection and further consideration on the merits of claims 1-19.

The Applicant believes no fees or petitions are due with this filing. However, should any such fees or petitions be required, please consider this a request therefor and authorization to charge Deposit Account No. 04-1415 as necessary.

If the Examiner should require any additional information or amendment, please contact the undersigned attorney.

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Respectfully submitted,



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